

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently amended): A method for identifying a location of a road segment using a first digital map on which the road segment is represented by a first road shape and ~~that has a different error from a~~ second digital map on which the road segment is represented by a second road shape which has a different shape from the first road shape, the first digital map being stored in a transmitting apparatus, the second digital map being stored in a receiving apparatus, the method comprising the steps of:

creating ~~event~~ location information based on the first digital map by ~~at the~~ transmitting ~~system~~ apparatus, the ~~event~~ location information including: a string of coordinates of points which represents the first road shape of a list of points located at a periphery of the event on a ~~the~~ road segment of on the first digital map, and attribute information ~~on~~ about said the points or the road segment;

transmitting the ~~event~~ location information from the transmitting ~~system~~ apparatus to the receiving apparatus;

receiving the ~~said~~ event location information by ~~at the~~ receiving ~~system~~ apparatus having the second digital map, the

~~second digital map including data representing the road segment,
said data being different from the list of points; and~~

performing matching of the string of coordinates of points
included in the received location information ~~said points with~~
~~thesaid data~~ second road shape on the second digital map by ~~to~~
~~identify said road segment on the second digital map using the~~
string of coordinates information ~~of the points and the~~
attribute information included in the ~~event~~ location
information, to identify the location of the road segment on the
second digital map.

Claims 2-5 (Cancelled):

Claim 6 (Currently amended): The method according to claim 1,
wherein ~~thesaid~~ attribute information includes at least one
information item chosen from a group consisting of road type
code, road number, toll highway code, number of traffic lanes,
regulation information, road width, number of connecting links
to a crossing node, and connection angle of each connecting link
to a crossing node.

Claims 7-11 (Cancelled):

Claim 12 (Currently amended): A ~~transmission~~ transmitting apparatus comprising:

a first digital map on which a road segment is represented by a first road shape;

an information generator that generates, based on the first digital map, event—location information including: a string of coordinates of points which represents the first road shape of a list of points located at a periphery of the event on a the road segment of on the first digital map, and attribute information enabout said the points or the road segment; and

a transmitter that transmits the ~~event~~—location information from the transmitting apparatus to a receiving apparatus having another—a second digital map including data representing the road segment, said data being different from the list of points on which the road segment is represented by a second road shape which has a different shape from the first road shape.

Claim 13 (Currently amended): A receiving apparatus comprising:

a receiver that receives ~~event~~—location information including: a string of coordinates of points which represents a first road shape of a list of points located at a periphery of the event on a road segment of on a first digital map, the first

digital map being stored in a transmitting apparatus, and
attribute information on about said the road segment points or
the road segment from [[a]] the transmission-transmitting
apparatus having the first digital map;

~~another a second digital map including data representing~~
~~the road segment, said data being different from the list of~~
~~points on which the road segment is represented by a second road~~
~~shape which has a different shape from the first road shape; and~~

an identifying unit that performs matching of the string of
coordinates of points included in the received location
information said points with the said data second road shape on
the second digital map by to identify said road segment on the
another digital map using the string of coordinates information
of the points and the attribute information included in the
event location information, to identify the location of the road
segment on the second digital map.

Claims 14 and 15 (Cancelled):

Claim 16 (Currently amended): A system for identifying a location
of a road segment using a first digital map on which the road
segment is represented by a first road shape and that has a

~~different error from~~ a second digital map on which the road segment is represented by a second road shape which has a different shape from the first road shape, the first digital map being stored in a transmitting apparatus, the second digital map being stored in a receiving apparatus, the system comprising:

~~a the transmission transmitting device apparatus~~ that includes:

the first digital map;

an information generator that generates, based on the first digital map, ~~event~~ location information including: a string of coordinates of points which represents the first road shape of a list of points located at a periphery of the event on a the road segment of on the first digital map, and attribute information ~~about~~ said the points or the road segment; and

a transmitter that transmits the ~~event~~ location information to the receiving apparatus; and ~~a the receiving device apparatus~~ that includes:

a receiver that receives the ~~event~~ location information from the ~~transmitter~~ transmitting apparatus;

the second digital map ~~including data representing the road segment, said data being different from the list of points included in the received event location information~~; and

an identifying unit that performs matching of the string of coordinates of points included in the received location information said points with said the data-second road shape on the second digital map by to identify said road segment on the second digital map using the string of coordinates information of the points and the attribute information included in the ~~event~~-location information, to identify the location of the road segment on the second digital map.

Claim 17 (Currently amended): The ~~transmission-transmitting~~ apparatus according to claim 12, wherein the said-attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claim 18 (Currently amended): The receiving apparatus according to claim 13, wherein ~~the said~~ attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of

connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claim 19 (Currently amended): The system according to claim 16, wherein the ~~said~~ attribute information includes at least one information item chosen from a group consisting of road type code, road number, toll highway code, number of traffic lanes, regulation information, road width, number of connecting links to a crossing node, and connection angle of each connecting link to a crossing node.

Claims 20-21 (Cancelled):